RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 675,470

Source: _____ TF 016

Date Processed by STIC: _____ 1-4-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
   U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

RAW SEQUENCE LISTING   DATE: 01/04/2005
PATENT APPLICATION: US/10/675,470   TIME: 10:02:47

Input Set : A:\SEQUENCE LISTING.asc
Output Set: N:\CRF4\01042005\J675470.raw

SEQUENCE LISTING
```
    2  (1) GENERAL INFORMATION:
    3      (iii) NUMBER OF SEQUENCES: 4
C-->  0      (vi) CURRENT APPLICATION DATA:
C-->  0           (A) APPLICATION NUMBER: US/10/675,470
C-->  0           (B) FILING DATE: 30-Sep-2003
```

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```
    5  (2) INFORMATION FOR SEQ ID NO: 1:
    6      (i) SEQUENCE CHARACTERISTICS:
    7          (A) LENGTH: 4 amino acids
    8          (B) TYPE: amino acid
    9          (C) STRANDEDNESS: single
   10          (D) TOPOLOGY: linear
   11      (ii) MOLECULE TYPE: peptide
   12     (iii) HYPOTHETICAL: NO
   13      (iv) ANTI-SENSE: NO
   14       (v) FRAGMENT TYPE: N-terminal
   15      (vi) ORIGINAL SOURCE:
   16      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
E--> 17          Norleucine-Tyr-Ile-His
   19  (2) INFORMATION FOR SEQ ID NO: 2:
   20      (i) SEQUENCE CHARACTERISTICS:
   21          (A) LENGTH: 4 amino acids
   22          (B) TYPE: amino acid
   23          (C) STRANDEDNESS: single
   24          (D) TOPOLOGY: linear
   25      (ii) MOLECULE TYPE: peptide
   26     (iii) HYPOTHETICAL: NO
   27      (iv) ANTI-SENSE: NO
   28       (v) FRAGMENT TYPE: N-terminal
   29      (vi) ORIGINAL SOURCE:
   30      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
E--> 31          Norleucine-Tyr-Ile-(6-Aminohexanoic Acid)-amide
   34  (2) INFORMATION FOR SEQ ID NO: 3:
   35      (i) SEQUENCE CHARACTERISTICS:
   36          (A) LENGTH: 6 amino acids
   37          (B) TYPE: amino acid
   38          (C) STRANDEDNESS: single
   39          (D) TOPOLOGY: linear
   40      (ii) MOLECULE TYPE: peptide
```

Handwritten annotations:
- pls use (3) letter Amino Acid base codes. (pg. 1-2)
- delete
- pls use (3) letter Amino Acid base codes.
- delete
- FYI: Pls use sequencing format per OLD Rules. 1/4/05

RAW SEQUENCE LISTING   DATE: 01/04/2005
PATENT APPLICATION: US/10/675,470   TIME: 10:02:47

Input Set : A:\SEQUENCE LISTING.asc
Output Set: N:\CRF4\01042005\J675470.raw

```
    41              (A) DESCRIPTION: Norleucine(1)- Angiotensin IV
    42      (iii) HYPOTHETICAL: NO
    43       (iv) ANTI-SENSE: NO
    44        (v) FRAGMENT TYPE: N-terminal
C-->45       (vi) ORIGINAL SOURCE:
    46       (ix) FEATURE:
    47              (A) NAME/KEY: Modified-site
    48              (B) LOCATION: N-terminal amino acid
    49              (D) OTHER INFORMATION:
    50       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
E-->51       Norleucine-Tyr-Ile-His-Pro-Phe
    54  (2) INFORMATION FOR SEQ ID NO: 4:
    55        (i) SEQUENCE CHARACTERISTICS:
    56              (A) LENGTH: 6 amino acids
    57              (B) TYPE: amino acid
    58              (C) STRANDEDNESS: single
    59              (D) TOPOLOGY: linear
    60       (ii) MOLECULE TYPE: peptide
    61              (A) DESCRIPTION: Norleual
    62      (iii) HYPOTHETICAL: NO
    63       (iv) ANTI-SENSE: NO
    64        (v) FRAGMENT TYPE: N-terminal
    65       (vi) ORIGINAL SOURCE:
    66       (ix) FEATURE:
    67              (A) NAME/KEY: Modified-site
    68              (B) LOCATION: Multiple
    69              (D) OTHER INFORMATION:
    70  /note= Leu3-His4 is a methylene bond
    71  instead of a peptide bond.
    72       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
E-->73       Norleucine-Tyr-Leu-His-Pro-Phe
```

[Handwritten annotations:]

pls use (3) letter base codes.

pls refer to 1.822 old Sequence Rules Format

same error

pls use (3) letter base codes.

same error

FYI: Amino acid sequence should be grouped as:

Tyr Leu His Pro

pls use (3) letter

VERIFICATION SUMMARY   DATE: 01/04/2005
PATENT APPLICATION: US/10/675,470   TIME: 10:02:48

Input Set : **A:\SEQUENCE LISTING.asc**
Output Set: **N:\CRF4\01042005\J675470.raw**

```
L:0  M:200 E: Mandatory Header Field missing, [(i) APPLICANT:] of (1)
L:0  M:200 E: Mandatory Header Field missing, [(ii) TITLE OF INVENTION:] of (1)
L:0  M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:] of (1)(iv)
L:0  M:200 E: Mandatory Header Field missing, [(B) STREET:] of (1)(iv)
L:0  M:200 E: Mandatory Header Field missing, [(C) CITY:] of (1)(iv)
L:0  M:200 E: Mandatory Header Field missing, [(D) STATE:] of (1)(iv)
L:0  M:200 E: Mandatory Header Field missing, [(E) COUNTRY:] of (1)(iv)
L:0  M:200 E: Mandatory Header Field missing, [(F) ZIP:] of (1)(iv)
L:0  M:249 C: Inserted Mandatory Field, [(vi) CURRENT APPLICATION DATA:]
L:0  M:249 C: Inserted Mandatory Field, [(A) APPLICATION NUMBER:]
L:0  M:249 C: Inserted Mandatory Field, [(B) FILING DATE:]
L:17 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:17 M:330 E: (2) Invalid Amino Acid Designator, 1
L:17 M:203 E: No. of Seq. differs, LENGTH:Input:4 Found:1 SEQ:1
L:31 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:31 M:330 E: (2) Invalid Amino Acid Designator, 2
L:31 M:203 E: No. of Seq. differs, LENGTH:Input:4 Found:2 SEQ:2
L:45 M:220 C: Keyword misspelled or invalid format, [(vi) ORIGINAL SOURCE:]
L:51 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:51 M:330 E: (2) Invalid Amino Acid Designator, 1
L:51 M:203 E: No. of Seq. differs, LENGTH:Input:6 Found:1 SEQ:3
L:73 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:73 M:330 E: (2) Invalid Amino Acid Designator, 1
L:73 M:203 E: No. of Seq. differs, LENGTH:Input:6 Found:1 SEQ:4
```